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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/725,502	12/03/2003	Hiroaki Fujita	041514-5314	3765
55694 7590 05/02/2007 DRINKER BIDDLE & REATH (DC) 1500 K STREET, N.W. SUITE 1100 WASHINGTON, DC 20005-1209			EXAMINER SHIH, HAOSHIAN	
			ART UNIT 2173	PAPER NUMBER
			MAIL DATE 05/02/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/725,502

Applicant(s)

FUJITA ET AL.

Examiner

Haoshian Shih

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 12/03/03.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 03 December 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>20070419</u> | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Claims 1-20 are pending in this application and have been examined in response to application filed on 12/03/2003.
2. The application claims foreign priority filed on 01/08/2003.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

4. **Claims 1-6, 8, 11-16 and 18-20 are rejected under 35 U.S.C. 102(a) as being anticipated by Tatsuya et al. ("Tatsuya", Japanese patent publication 2002-005750).**

5. As to **INDEPENDENT** claim 1 Tatsuya discloses a touchscreen display device ([0015], lines 2; "touch panel sensor"), comprising: a screen unit having a horizontal direction and a vertical direction (drawing 6; x axis and y axis); and an image combining unit which includes image processing means and image combining means, the image processing means receiving a source image signal from an image signal supply portion

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and reducing a size of a first image resulting from the source image signal (drawing 53; D190 shows the image (circle "A") in full size, D193 shows the image in reduced size), the image combining means combining the size-reduced first image with a second image resulting from an operation input reception image signal such that the size-reduced first image and the second image are displayed on the screen unit (drawing 53, D190 shows the first image (circle "A"), D 193 shows the first image in reduced size and the second image on top of the first image) .

6. As to **INDEPENDENT** claim 11 is an apparatus of claim 1, it is rejected under similar rationale.

7. As to **INDEPENDENT** claim 19 is a method of claims 1 and 2, it is rejected under similar rationale.

8. As to claim 2, Tatsuya discloses the image combining means combines the size-reduced first image with the second image such that the size-reduced first image is not blocked by the second image (drawing 53, D193).

9. As to claim 3, Tatsuya discloses the image processing means performs screen compression processing to the first image to reduce the size of the first image in at least one of the horizontal and vertical directions (drawing 53, D193; a reduction in both horizontal and vertical direction; drawing 54; D200; a reduction in vertical direction).

10. As to claim 4, Tatsuya discloses wherein the image processing means can determine a compression ratio in the screen compression processing based on an external command ([0069], compression ratio is based on user input of the x and y axis; drawing 53; drawing 54).

11. As to claim 5, Tatsuya discloses the image processing means performs the screen compression processing in the horizontal and vertical directions, while maintaining an aspect ratio of the first image (drawing 53, D193).

12. As to claim 6, Tatsuya discloses the image processing means reduces the size of the first image by changing a display mode of the first image (drawing 53, aspect ratio reduction mode; drawing 54; y axis reduction mode).

13. As to claim 8, Tatsuya discloses the second image is superposed on the first image (drawing 8).

14. As to claim 12, is similar to claim 2, it is rejected under the same rationale.

15. As to claim 13, is similar to claim 3, it is rejected under the same rationale.

16. As to claim 14, is similar to claim 4, it is rejected under the same rationale.

17. As to claim 15, is similar to claim 5, it is rejected under the same rationale.

18. As to claim 16, is similar to claim 6, it is rejected under the same rationale.

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19. As to claim 18, is similar to claim 8, it is rejected under the same rationale.

20. As to claim 20, Tatsuya discloses the size of the main image is reduced by compression ([0188], image transformation).

Claim Rejections - 35 USC § 103

21. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

22. Claims 7, 9, 10 and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tatsuya in view of Moriyama et al. (Moriyama, US 6,104,684).

23. As to claim 7, Tatsuya does not disclose the image signal supply portion produces the source image signal from a recording medium, and the first image includes a menu image indicating a content of the recording medium.

In the same field of endeavor, Moriyama disclose the image signal supply portion produces the source image signal from a recording medium, and the first image includes a menu image indicating a content of the recording medium (fig.11).

It would have been obvious to one of ordinary skill in the art, having the teaching of Tatsuya and Moriyama before him at the time the invention was made, to modify the image combining interface taught by Tatsuya to include user selectable display attribute taught by Moriyama with the motivation being to choose display functions based on the needs of the user (Moriyama, col.2, lines 17-28).

24. As to claim 9, Tatsuya does not disclose the display mode is changed from a wide mode to a normal mode.

In the same field of endeavor, Moriyama discloses the display mode is changed from a wide mode to a normal mode (fig.7, display aspect ratio).

It would have been obvious to one of ordinary skill in the art, having the teaching of Tatsuya and Moriyama before him at the time the invention was made, to modify the image combining interface taught by Tatsuya to include user selectable display mode taught by Moriyama with the motivation being to choose display functions based on the needs of the user (Moriyama, col.2, lines 17-28).

25. As to claim 10, Tatsuya does not disclose wherein the display mode is changed from a normal mode to a letterbox mode.

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In the same field of endeavor, Moriyama disclose wherein the display mode is changed from a normal mode to a letterbox mode (fig.7, display mode: Letterbox).

It would have been obvious to one of ordinary skill in the art, having the teaching of Tatsuya and Moriyama before him at the time the invention was made, to modify the image combining interface taught by Tatsuya to include user selectable display mode taught by Moriyama with the motivation being to choose display functions based on the needs of the user (Moriyama, col.2, lines 17-28).

26. As to claim 17, is similar to claim 7, it is rejected under the same rationale.

Conclusion

27. The prior art made of record on form PTO-892 and not relied upon is considered pertinent to applicant's disclosure. Applicant is required under 37 C.F.R. 1.111(c) to consider these references fully when responding to this action. The documents cited therein teaches display control and touchscreen interface.


28. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Haoshian Shih whose telephone number is (571) 270-1257. The examiner can normally be reached on m-f 0730-1700.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Cabeca can be reached on (571) 272-4048. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

HSS


TADESSE HAILU
Patent Examiner